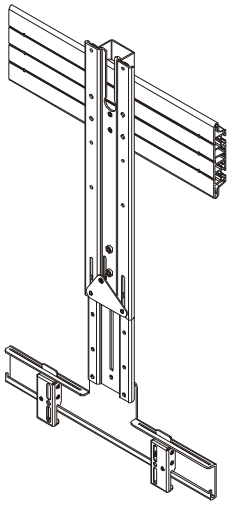
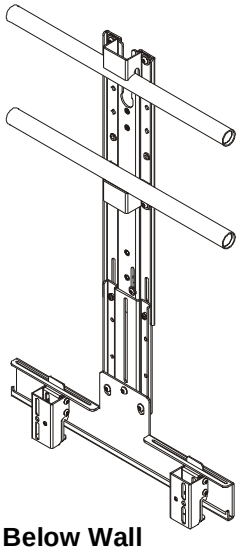
# INSTALLATION INSTRUCTIONS



Below Cart/Ceiling



Below Wall

(FCA830 shown)

# Fusion™ Below Speaker Shelf

CHIEF®
Our Mounts. **Your Vision.**

# FCA830/840

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## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

**CAUTION:** A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

**WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer’s responsibility to make sure all components are properly assembled and installed using the instructions provided.

**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer’s responsibility to make sure the combined weight mounted to the FCA830/840 does not exceed 20 lbs (9 kg).

**WARNING:** Use of this accessory will decrease the weight capacity of the mount to which it is attached by the combined weight of the accessory and all components supported by this accessory!

**WARNING:** Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

**WARNING:** Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

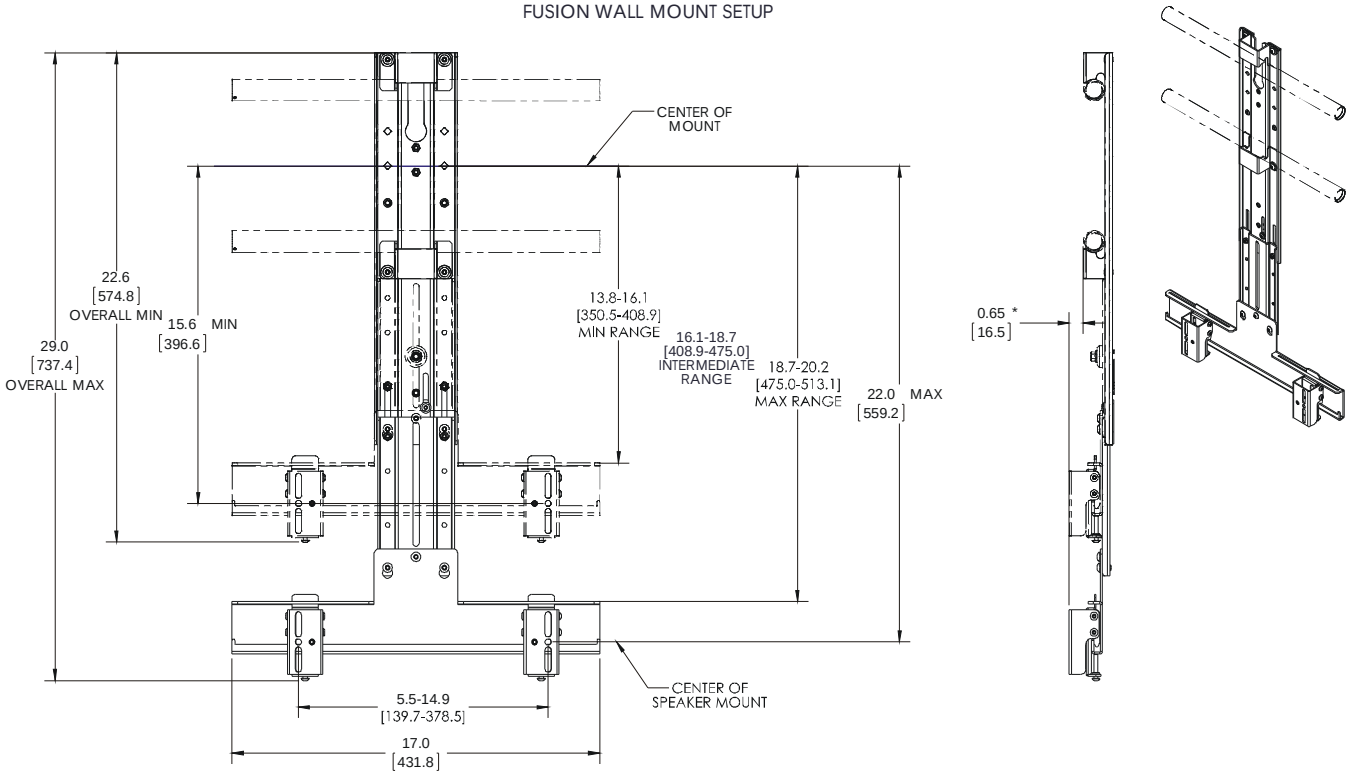
**WARNING:** Do not use this product outdoors.

**WARNING:** RISK OF INJURY TO PERSONS! Do not use this mounting system to support video equipment such as televisions or computer monitors.

**--SAVE THESE INSTRUCTIONS--**

## DIMENSIONS - FCA830

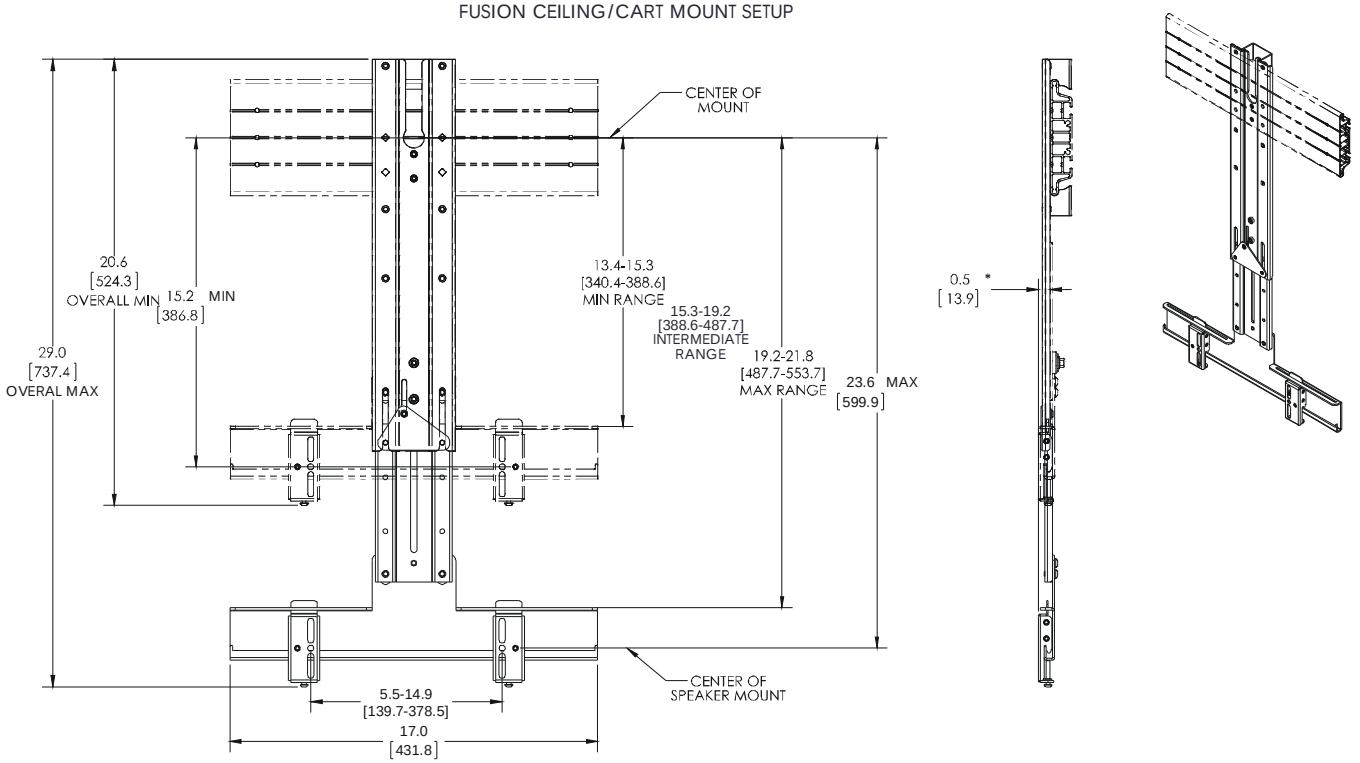
FUSION WALL MOUNT SETUP




(*)NOTES:

- TYPICAL FUSION INTERFACES ARE 0.625" [15.9] DEEP

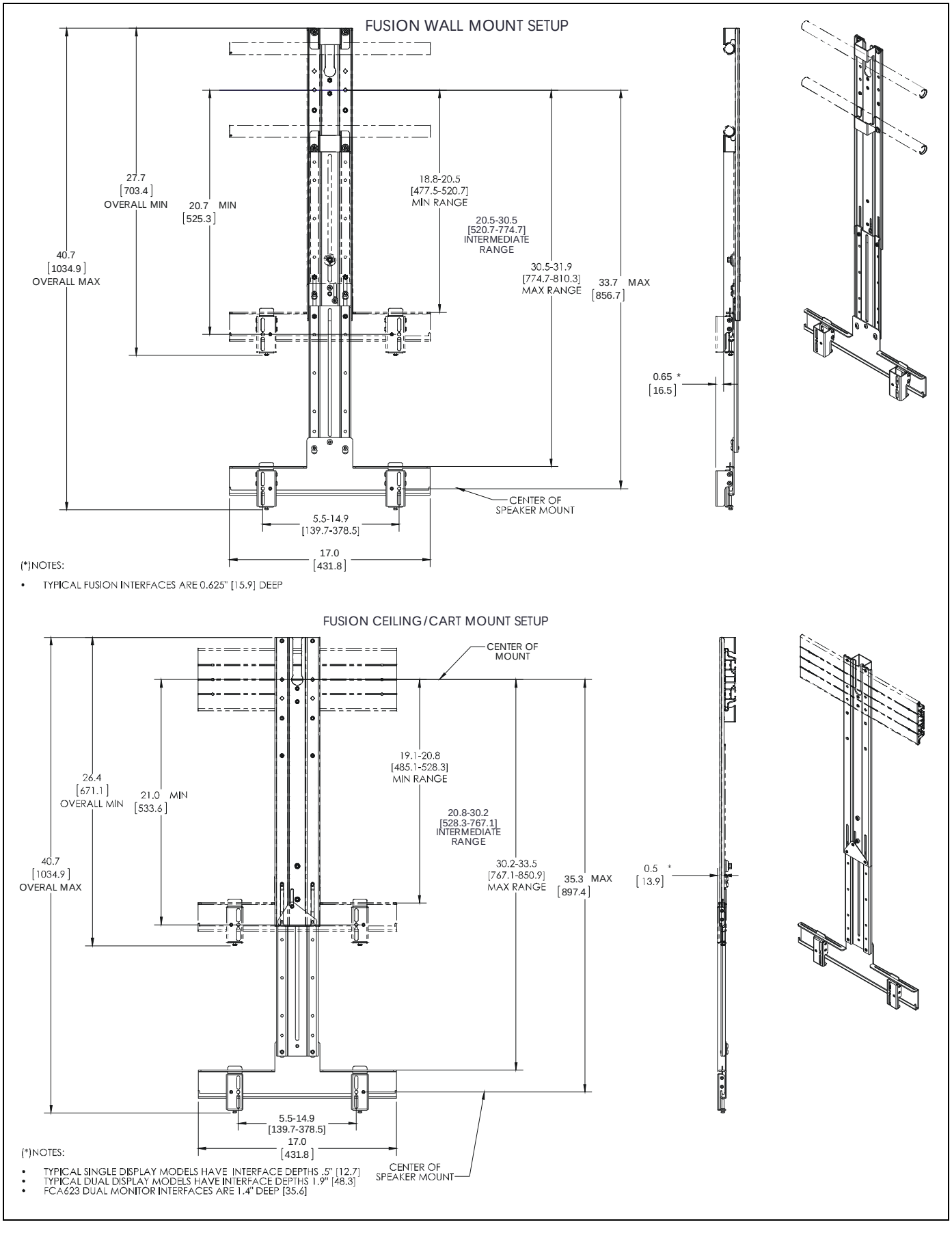
FUSION CEILING/CART MOUNT SETUP



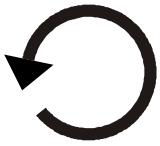

(*)NOTES:

- TYPICAL SINGLE DISPLAY MODELS HAVE INTERFACE DEPTHS .5" [12.7]
- TYPICAL DUAL DISPLAY MODELS HAVE INTERFACE DEPTHS 1.9" [48.3]
- FCA623 DUAL MONITOR INTERFACES ARE 1.4" DEEP [35.6]

## DIMENSIONS - FCA840



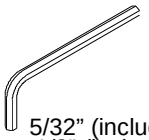
## LEGEND

| | |
|---|---|
| | Tighten Fastener<br>Apretar elemento de fijación<br>Befestigungsteil festziehen<br>Apertar fixador<br>Serrare il fissaggio<br>Bevestiging vastdraaien<br>Serrez les fixations |
| | Pencil Mark<br>Marcar con lápiz<br>Stiftmarkierung<br>Marcar com lápis<br>Segno a matita<br>Potloodmerkteken<br>Marquage au crayon |
|  | Loosen Fastener<br>Aflojar elemento de fijación<br>Befestigungsteil lösen<br>Desapertar fixador<br>Allentare il fissaggio<br>Bevestiging losdraaien<br>Desserrez les fixations |
| | Drill Hole<br>Perforar<br>Bohrloch<br>Fazer furo<br>Praticare un foro<br>Gat boren<br>Percez un trou |
| | Phillips Screwdriver<br>Destornillador Phillips<br>Kreuzschlitzschraubendreher<br>Chave de fendas Phillips<br>Cacciavite a stella<br>Kruiskopschroevendraaier<br>Tournevis à pointe cruciforme |
| | Adjust<br>Ajustar<br>Einstellen<br>Ajustar<br>Regolare<br>Afstellen<br>Ajuster |
| | Open-Ended Wrench<br>Llave de boca<br>Gabelschlüssel<br>Chave de bocas<br>Chiave a punte aperte<br>Steeksleutel<br>Clé à fourche |
| | Remove<br>Quitar<br>Entfernen<br>Remover<br>Rimuovere<br>Verwijderen<br>Retirez |
| | By Hand<br>A mano<br>Von Hand<br>Com a mão<br>A mano<br>Met de hand<br>À la main |
| | Optional<br>Opcional<br>Optional<br>Opcional<br>Opzionale<br>Optie<br>En option |
| | Hex-Head Wrench<br>Llave de cabeza hexagonal<br>Sechskantschlüssel<br>Chave de cabeça sextavada<br>Chiave esagonale<br>Zeskantsleutel<br>Clé à tête hexagonale |
| | Security Wrench<br>Llave de seguridad<br>Sicherheitsschlüssel<br>Chave de segurança<br>Chiave di sicurezza<br>Veiligheidssleutel<br>Clé de sécurité |

## TOOLS REQUIRED FOR INSTALLATION

#2

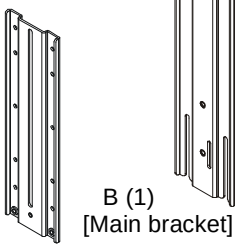
3/8”



5/32” (included)
1/8” (included)

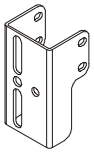
## PARTS

**(FCA840 shown)**

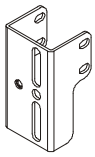


A (1)
[Upright bracket]

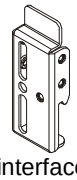
B (1)
[Main bracket]



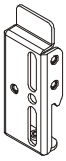
C (1)
[Wall speaker interface - left]



D (1)
[Wall speaker interface - right]



E (1)
[Speaker interface - left]

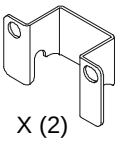


F (1)
[Speaker interface - right]

G (2)
#10-24

H (8)
[Large washer]

T (2)
#10-24 x 1/2”



X (2)
[Shelf bracket]

J (1)
[Small washer]

K (8)
#10-24 x 1/4”

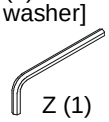
U (4)
1/2”

Y (1)
[Center washer]

L (2)
1/4-20 x 1/2”

M (5)
1/4-20 x 1/4”

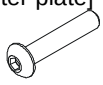
V (1)
[Adapter plate]



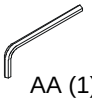
Z (1)
5/32”

N (1)
1/4-20 X 5/8”

P (1)
#10-32 x 3/8”



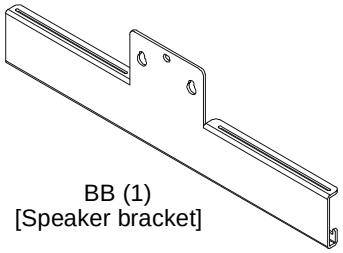
W (2)
#10-24 x 1 1/8”



AA (1)
1/8”

Q (4)
1/4-20 x 1/2”

R (4)
1/4-20 x 7/16”



BB (1)
[Speaker bracket]

## ASSEMBLY AND INSTALLATION

### Attaching Speaker Bracket to Upright Bracket

1. Install two 1/4-20 x 1/2" button head cap screws (L) into lowest holes on upright bracket (A). (See Figure 1) or (See Figure 2)

**IMPORTANT ! :** Refer to Figure 3 if installing to a wall mount or Figure 4 if installing to a cart/ceiling mount.

2. Hang speaker bracket (BB) onto two screws installed in Step 1. (See Figure 1) or (See Figure 2)
3. Use one 1/4-20 x 1/4" button head cap screw (M) to secure upright bracket (A) to speaker bracket (BB). (See Figure 1) or (See Figure 2)
4. Tighten all three screws to ensure upright bracket (A) is securely attached to speaker bracket (BB).

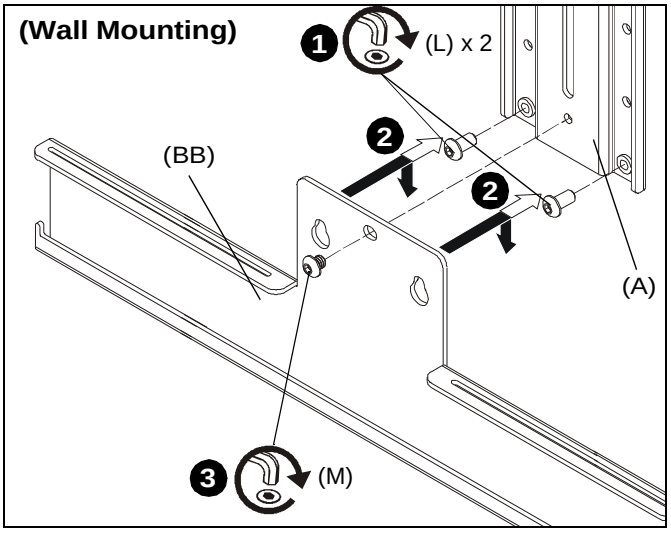



**Figure 1**

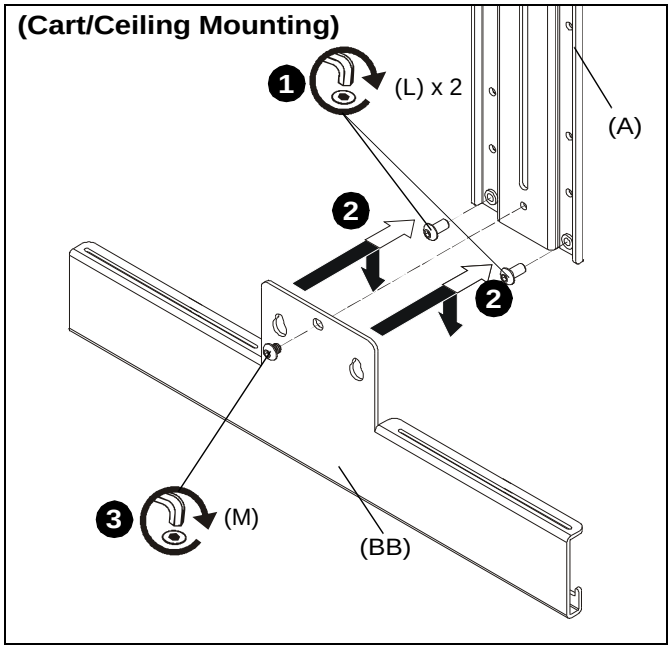



**Figure 2**

### Attaching Speaker Bracket to Wall Mount

**NOTE:** If attaching to cart or ceiling mount, proceed to **Attach Speaker Bracket to Cart/Ceiling Section**.

1. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (X) to main bracket (B). (See Figure 3)

⚠ **CAUTION:** Slide bracket with caution so that the bracket does not scratch or damage the wall!

2. Slide main bracket (B) behind wall mount rails until shelf bracket (X) rests on top of wall mount rail. (See Figure 3)

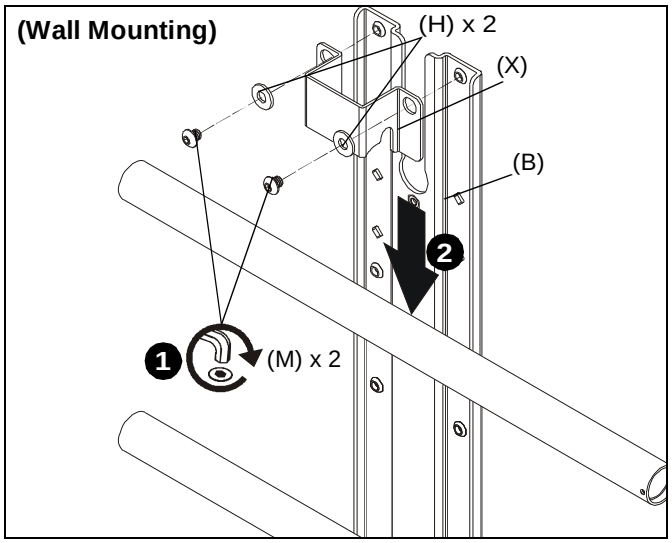



**Figure 3**

3. Slide second shelf bracket (X) underneath lower rail on wall mount, lining up holes on shelf bracket (X) to main bracket (B). (See Figure 4)
4. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (X) to main bracket (B). (See Figure 4)

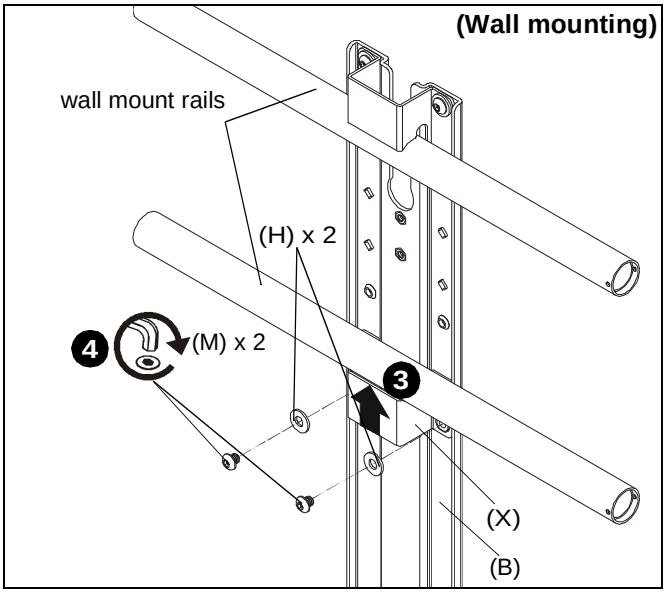



**Figure 4**

**NOTE:** Refer to Table 1 and dimension drawings on pages 3-4 to determine the extension level based on extension distance from mount center.

**Table 1:** Wall Mounting

| Extension distance from center of mount (in.) FCA830 | Extension distance from center of mount (in.) FCA840 | |
|---|---|---|
| **13.8-16.1** | **18.8-20.5** | **Minimum** |
| **16.1-18.7** | **20.5-30.5** | **Intermediate** |
| **18.7-20.2** | **30.5-31.9** | **Maximum** |

5. (For **maximum extension**) Use #10-32 x 3/8" button head cap screw (P) and small washer (J) to secure adapter plate (V) to main bracket (B). (See Figure 5)

6. (For **maximum extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 5)

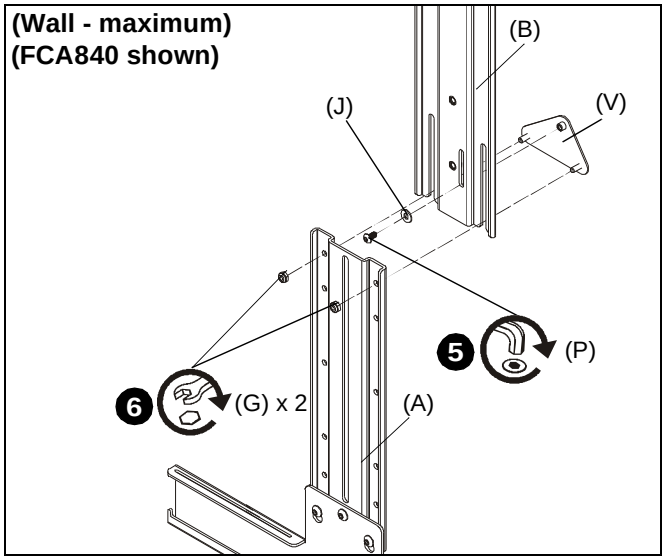



**Figure 5**

7. (For **minimum/intermediate extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 6)

**NOTE:** Minimum configuration is shown below. Several intermediate configurations are possible depending on which holes are used.

8. (For **minimum/intermediate extension)** Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (Y) to secure upright bracket (A) to main bracket (B). (See Figure 6)

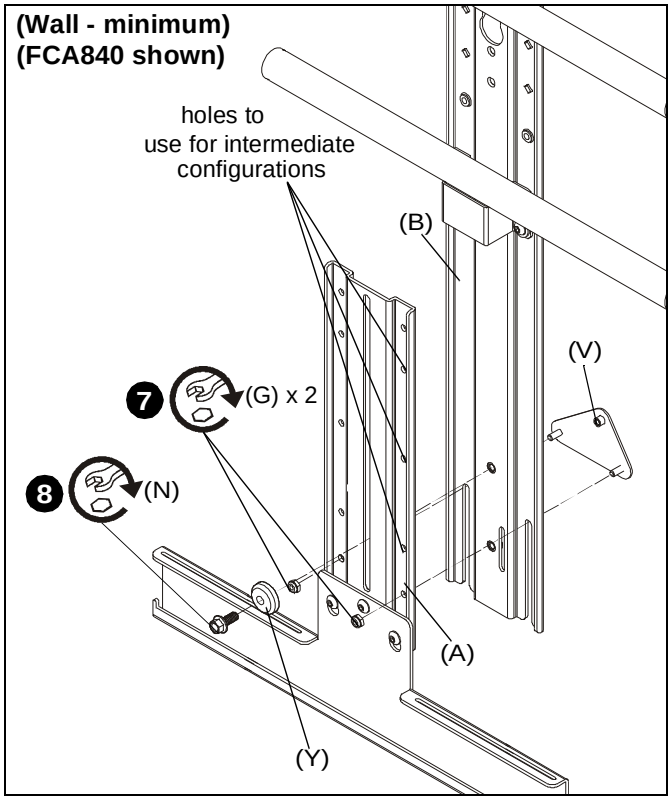



**Figure 6**

## Attaching Speaker Bracket to Cart/Ceiling Mount

**IMPORTANT ! :** If installing to a 2x1 display cart using the FCA623 accessory, proceed to "Installing to FCA623 Accessory" Section (Step 6).

1. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (X) to main bracket (B). (See Figure 7)

2. Slide main bracket (B) onto front of cart/ceiling mount head assembly until shelf bracket (X) rests on top of head assembly. (See Figure 7)

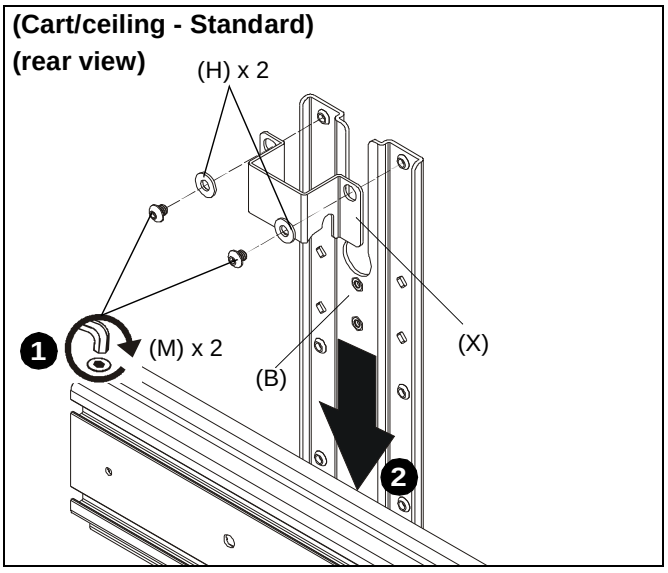



**Figure 7**

3. Slide second shelf bracket (X) underneath head assembly, lining up holes on shelf bracket (X) to holes on main bracket (B). (See Figure 8)

4. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (X) to main bracket (B). (See Figure 8)

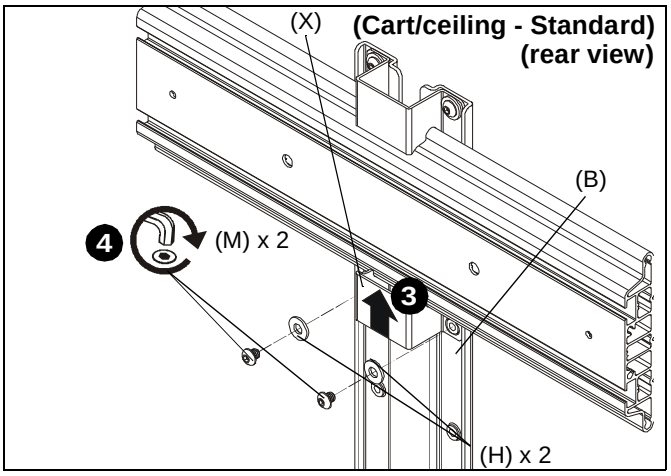



**Figure 8**

5. Proceed to Step 11 unless installing to FCA623 accessory.

### Installing to FCA623 Accessory

**IMPORTANT ! :** Steps 6-10 only apply if installing to FCA623 accessory.

6. Use two 1/4-20 x 7/16" button head cap screws (R), two large washers (H) and two 1/2" spacers (U) to secure shelf bracket (X) to main bracket (B). (See Figure 9)

7. Slide main bracket (B) onto front of cart/ceiling mount head assembly until shelf bracket (X) rests on top of head assembly. (See Figure 9)

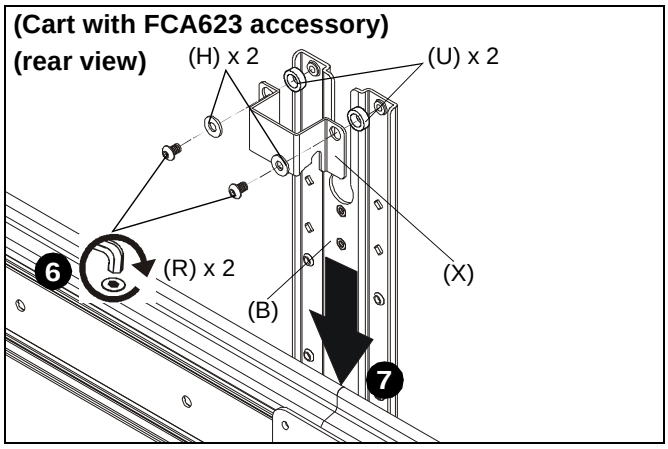



**Figure 9**

8. Slide second shelf bracket (X) underneath head assembly, lining up holes on shelf bracket (X) to holes on main bracket (B). (See Figure 10)

9. Slide two 1/2" spacers (U) in between shelf bracket (X) and main bracket (B). (See Figure 10)

10. Use two 1/4-20 x 7/16" button head cap screws (R) and two large washers (H) to secure shelf bracket (X) to main bracket (B). (See Figure 10)

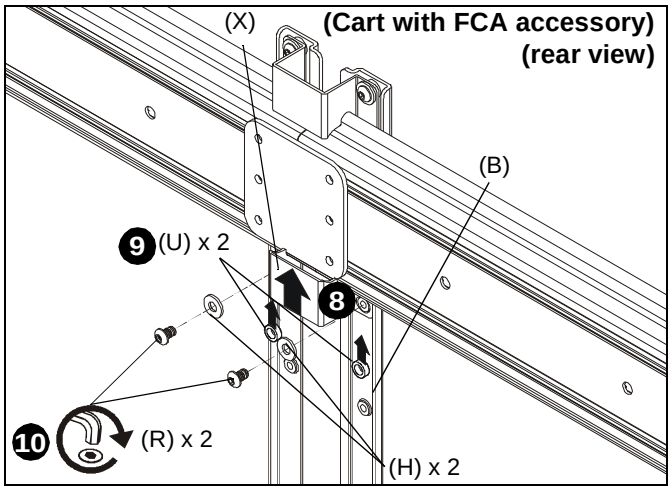



**Figure 10**

**NOTE:** Refer to Table 2 and dimension drawings on pages 3-4 to determine the extension level based on extension distance from mount center.

| Extension distance from center of mount (in.) FCA830 | Extension distance from center of mount (in.) FCA840 | |
|---|---|---|
| 13.4-15.3 | 19.1-20.8 | Minimum |
| 15.3-19.2 | 20.8-30.2 | Intermediate |
| 19.2-21.8 | 30.2-33.5 | Maximum |

Table 2: Cart/Ceiling Mount

11. (For **maximum/intermediate extension**) Use #10-32 x 3/8" button head cap screw (P) and small washer (J) to secure adapter plate (V) to main bracket (B). (See Figure 11)

**NOTE:** Maximum configuration is shown below. Several intermediate configurations are possible depending on which holes are used.

12. (For **maximum/intermediate extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 11)

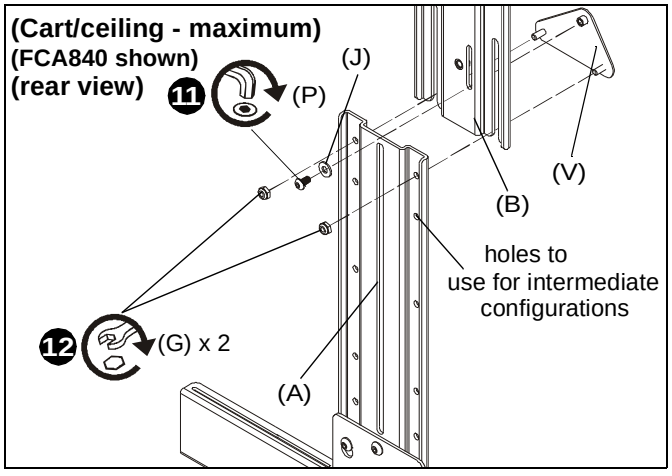



**Figure 11**

13. (For **minimum extension)** Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (Y) to secure upright bracket (A) to main bracket (B). (See Figure 12)

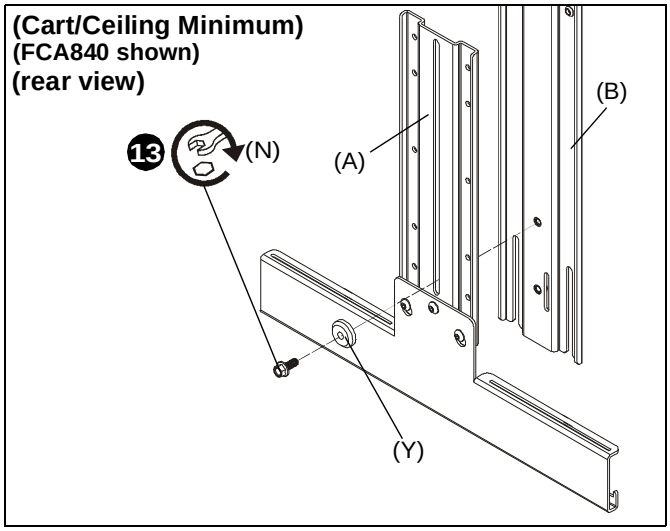



**Figure 12**

## Installing Speaker (not included)

**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight mounted on the FCA830/840 does not exceed 20 lbs (9 kg).

**WARNING:** USING SCREWS OF IMPROPER SIZE MAY DAMAGE THE SPEAKER. Properly sized screws will easily and completely thread into speaker mounting holes.

**NOTE:** If the screws provided with this accessory do not fit the specific speaker being installed, be sure to use correctly sized screws (not included).

**NOTE:** If installing to speaker with teardrop openings at attachment points, proceed to "Optional Speaker Installation" Section.

### Installing to Cart/Ceiling Mounts

1. Attach left speaker interface (E) to back of speaker (left side) using two 1/4-20 x 1/2" Phillips pan head screws (Q) with two large washers (H). (See Figure 13)

**NOTE:** Ensure that upper flange of interface brackets are at top of speaker. (See Figure 13)

2. Repeat Steps 1 with right speaker interface (F). (See Figure 13)

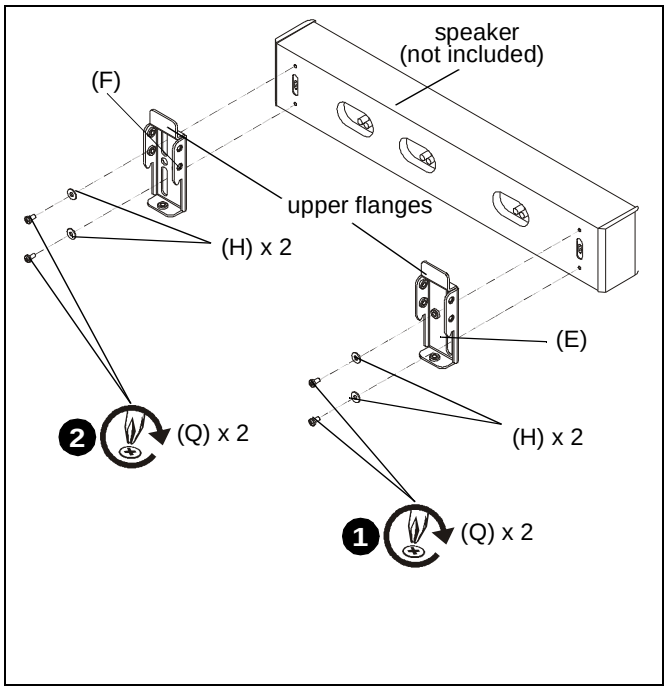



**Figure 13**

3. Install two speaker interfaces (E and F) to speaker bracket (BB) by sliding upper flanges of interfaces into long slots on speaker bracket and then pushing interfaces into position. (See Figure 14)

4. Use two #10-24 x 1 1/8" button head cap screws (W) to secure interfaces to speaker bracket at desired speaker position. (See Figure 14)

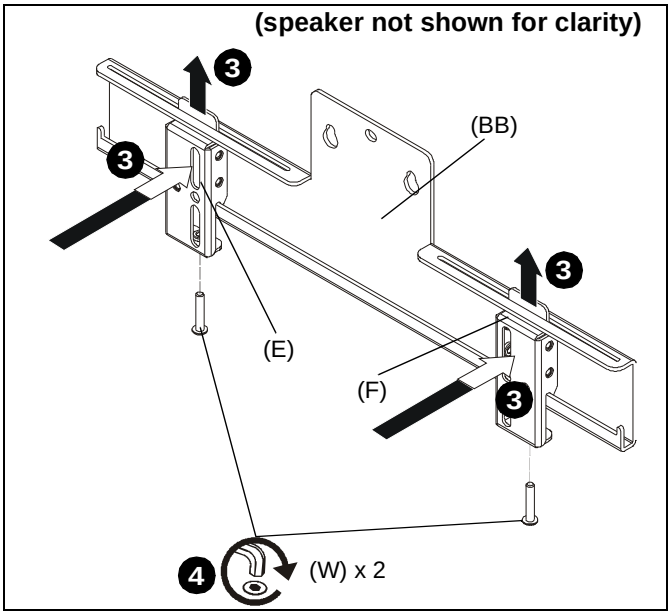



**Figure 14**

### Installation to Wall Mount

1. Attach left wall speaker interface (C) to back of speaker (left side) using two 1/4-20 x 1/2" Phillips pan head screws (Q) with two large washers (H). (See Figure 15)
2. Repeat Steps 1 with right wall speaker interface (D). (See Figure 15)

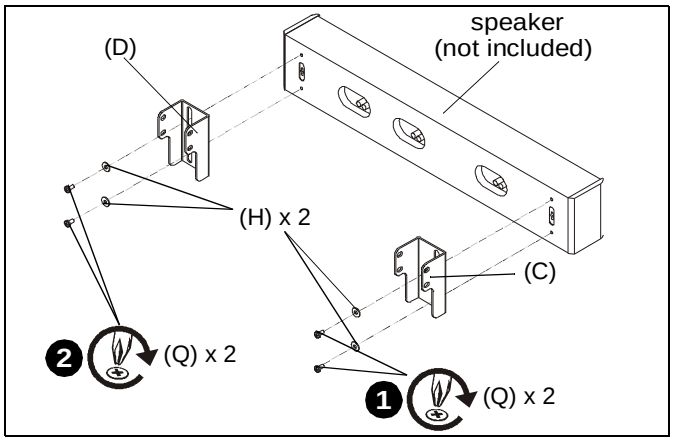



**Figure 15**

3. Use eight #10-24 x 1/4" button head cap screws (K) to secure two wall speaker interfaces (C and D) to two speaker interfaces (E and F). (See Figure 16)

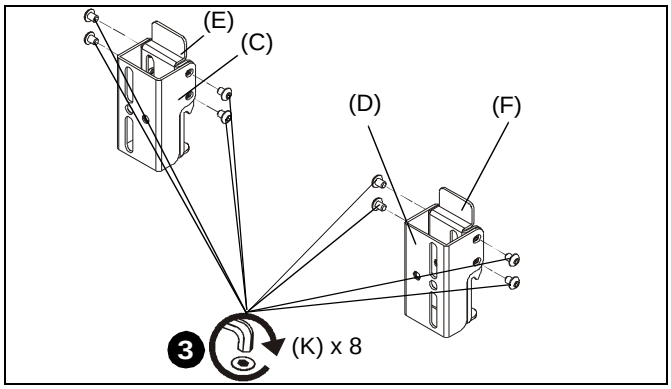



**Figure 16**

4. Install two speaker interfaces (E and F) to speaker bracket (BB) by sliding upper flanges of interfaces into long slots on speaker bracket and then pushing interfaces into position. (See Figure 17)
5. Use two #10-24 x 1 1/8" button head cap screws (W) to secure interfaces to speaker bracket at desired speaker position. (See Figure 17)

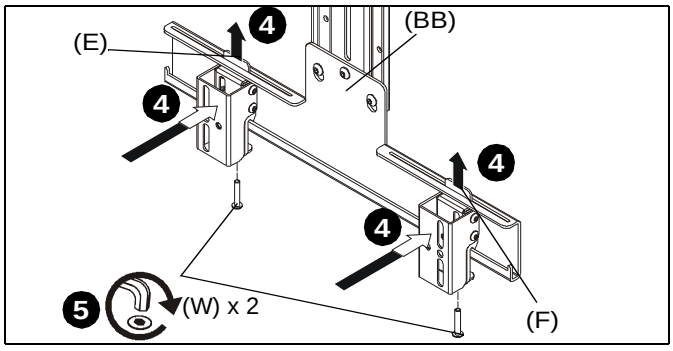



**Figure 17**

### OPTIONAL SPEAKER INSTALLATION

**Speaker With Teardrop Opening At Attachment Points**

1. Insert two 10-24 x 1/2" Phillips pan head screws (T) into speaker interfaces (E and F) **[Cart/Ceiling Mounting]** or wall speaker interfaces (C and D) **[Wall Mounting]** and hang speaker on screws. (See Figure 18)

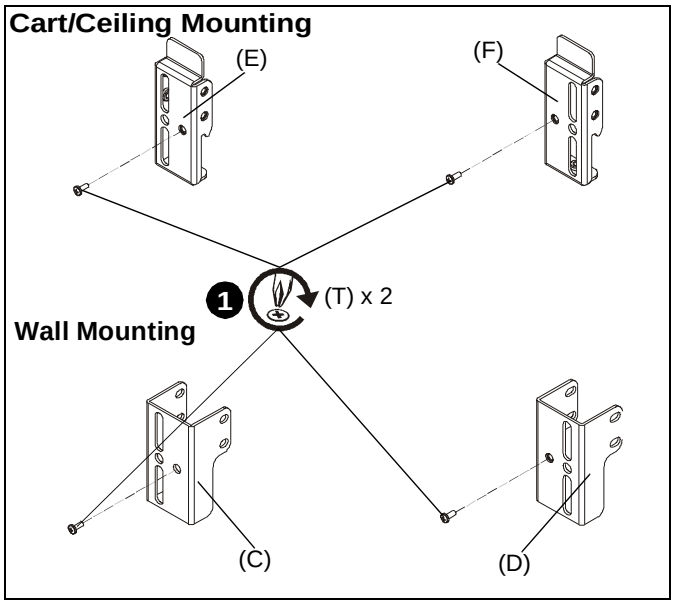



**Figure 18**

2. Proceed to Step 3 of corresponding speaker installation section to complete installation.

## Height Adjustment

1. Loosen hardware used to attach main bracket (B) to upright bracket (A). (See Figure 19)
2. Adjust shelf height as desired using intermediate holes as needed. (See Figure 19)
3. Tighten hardware used to attached main bracket (B) to upright bracket (A). (See Figure 19)

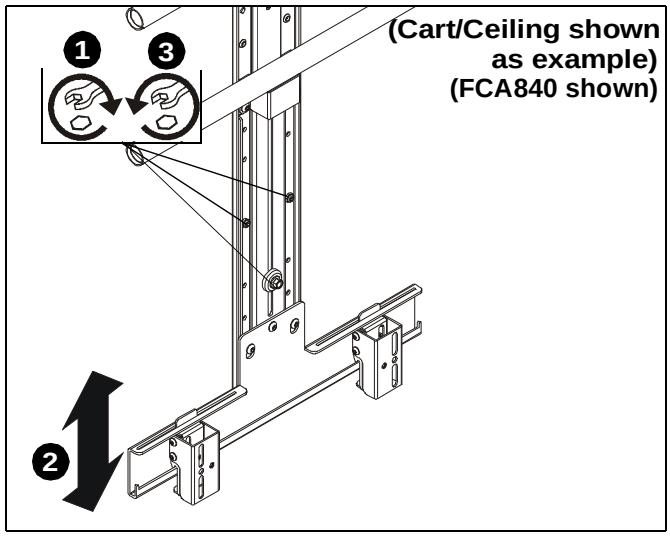



**Figure 19**

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